

ABSTRACT OF THE DISCLOSURE

A turbine engine that includes a housing having a circular cavity of an inlet and an outlet that provide fluid communication to and from the circular cavity. A rotor having a circular body and least one sealing fin extending from the circular body to the cavity wall of the circular cavity. A gas delivered into to the circular cavity causes the fin to move as it expands in the circular cavity. A sealing flap may also be incorporated into the system in order to ensure that gasses are directed against the fin. A valving system for use with the turbine is also disclosed.